

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Kazuhiro NAKANISHI et al.

Application No.: 10/647,226

Filed: August 26, 2003.

Docket No.: 116931



For: HYDROLYZING/DEHYDRATION CONDENSING ENZYMES, METHOD FOR  
PRODUCING THE ENZYME AND METHOD FOR SYNTHESIZING AMIDE BY  
USING THE ENZYME

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of the language references is discussed in the present specification.
- ☒ 3. The references were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.
- ☒ 4. The present application was filed or entered the U.S. National Stage of the PCT after June 30, 2003. In accordance with the June 11, 2003, Notice waiving the requirements of 37 C.F.R. §1.98(a)(2)(i), copies of any U.S. patents and patent application publications are not attached.

Respectfully submitted,

James A. Oliff  
Registration No. 27,075

Thomas J. Pardini  
Registration No. 30,411

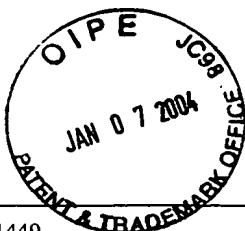
JAO:TJP/tmw

Date: January 7, 2004

OLIFF & BERRIDGE, PLC  
P.O. Box 19928  
Alexandria, Virginia 22320  
Telephone: (703) 836-6400

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Sheet 1 of 1

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 116931		APPLICATION NO. 10/647,226	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANTS Kazuhiro NAKANISHI et al.			
				FILING DATE August 26, 2003			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
	1	4,515,891	05/07/1985	Yokogawa et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
	2	WO 98/51803	11/19/1998	WIPO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	3	Yamakov et al, "Pronase-catalysed hydrolysis of amino acid amides", Enzyme Microb. Technol., 1986, Vol. 8, April, pp 241-244					
	4	Wakayama et al, "Comparative biochemistry of bacterial <i>N</i> -acyl-D-amino acid amidohydrolase", Journal of Molecular Catalysis B, Enzymatic 12, 2001, pp 15-25					
	5	Torres et al, "Enhanced production of penicillin V acylase for <i>Streptomyces lavendulae</i> ", Appl Microbiol, 1999, pp 81-84					
EXAMINER				DATE CONSIDERED			
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: January 7, 2004